

## **APPENDIX A**



## Asbestos Identification Laboratory

165 New Boston St., Ste 227  
Woburn, MA 01801  
781-932-9600

Web: [www.asbestosidentificationlab.com](http://www.asbestosidentificationlab.com)  
Email: [mikemanning@asbestosidentificationlab.com](mailto:mikemanning@asbestosidentificationlab.com)

Batch: 48695

**NVLAP**<sup>®</sup>  
Lab Code: 200919-0

December 02, 2019

Alan Sundquist  
CDW Consultants, Inc.  
6 Huron Drive  
Natick, MA 01760

**Project Name:** 225 Beaver St  
**Project Number:** 1830.10  
**Date Sampled:** 2019-11-20  
**Work Received:** 2019-11-25  
**Work Analyzed:** 2019-12-02

**Analysis Method:** BULK PLM ANALYSIS EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.

Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning  
Owner/Director

December 02, 2019

Alan Sundquist  
CDW Consultants, Inc.  
6 Huron Drive  
Natick, MA 01760

**Project Name:** 225 Beaver St  
**Project Number:** 1830.10  
**Date Sampled:** 2019-11-20  
**Work Received:** 2019-11-25  
**Work Analyzed:** 2019-12-02

**Analysis Method:** BULK PLM ANALYSIS EPA/600/R-93/116

| FieldID<br>LabID | Material                    | Location           | Color | Non-Asbestos %  | Asbestos %    |
|------------------|-----------------------------|--------------------|-------|-----------------|---------------|
| 1A               | Sheetrock W/Paint           | 2nd Floor Left     | multi | Hair 10         | None Detected |
| 538895           |                             |                    |       | Non-Fibrous 90  |               |
| 1B               | Sheetrock W/Paint           | 2nd Floor Left     | multi | Hair 10         | None Detected |
| 538896           |                             |                    |       | Non-Fibrous 90  |               |
| 1C               | Sheetrock W/Paint           | 2nd Floor Left     | multi | Hair 10         | None Detected |
| 538897           |                             |                    |       | Non-Fibrous 90  |               |
| 2A               | 9x9 Beige W/Grey Floor Tile | Kitchen            | tan   | Other 10        | None Detected |
| 538898           |                             |                    |       | Non-Fibrous 90  |               |
| 2B               | 9x9 Beige W/Grey Floor Tile | Kitchen            | tan   | Other 10        | None Detected |
| 538899           |                             |                    |       | Non-Fibrous 90  |               |
| 2C               | 9x9 Beige W/Grey Floor Tile | Kitchen            | tan   | Other 10        | None Detected |
| 538900           |                             |                    |       | Non-Fibrous 90  |               |
| 3A               | Brown Mastic                | Kitchen            | brown | Cellulose 10    | None Detected |
| 538901           |                             |                    |       | Non-Fibrous 90  |               |
| 3B               | Brown Mastic                | Kitchen            | brown | Cellulose 10    | None Detected |
| 538902           |                             |                    |       | Non-Fibrous 90  |               |
| 3C               | Brown Mastic                | Kitchen            | brown | Cellulose 10    | None Detected |
| 538903           |                             |                    |       | Non-Fibrous 90  |               |
| 4A               | Black Paint                 | Basement Wall      | black | Non-Fibrous 100 | None Detected |
| 538904           |                             |                    |       |                 |               |
| 5A               | Ceiling Plaster             | 1st Floor Bedrooms | multi | Cellulose 20    | None Detected |
| 538905           |                             |                    |       | Non-Fibrous 80  |               |
| 5B               | Ceiling Plaster             | 1st Floor Bedrooms | multi | Cellulose 20    | None Detected |
| 538906           |                             |                    |       | Non-Fibrous 80  |               |
| 5C               | Ceiling Plaster             | 1st Floor Bedrooms | multi | Cellulose 20    | None Detected |
| 538907           |                             |                    |       | Non-Fibrous 80  |               |
| 6A               | Ceiling Plaster White       | Kitchen            | white | Non-Fibrous 100 | None Detected |
| 538908           |                             |                    |       |                 |               |

| FieldID<br>LabID | Material                  | Location       | Color | Non-Asbestos %                 | Asbestos %                |
|------------------|---------------------------|----------------|-------|--------------------------------|---------------------------|
| 6B               | Ceiling Plaster White     | Kitchen        | white | Non-Fibrous 100                | None Detected             |
| 538909           |                           |                |       |                                |                           |
| 6C               | Ceiling Plaster White     | Kitchen        | white | Non-Fibrous 100                | None Detected             |
| 538910           |                           |                |       |                                |                           |
| 7A               | Ceiling Plaster, Brown    | Kitchen        | brown | Non-Fibrous 100                | None Detected             |
| 538911           |                           |                |       |                                |                           |
| 7B               | Ceiling Plaster, Brown    | Kitchen        | brown | Non-Fibrous 100                | None Detected             |
| 538912           |                           |                |       |                                |                           |
| 7C               | Ceiling Plaster, Brown    | Kitchen        | brown | Non-Fibrous 100                | None Detected             |
| 538913           |                           |                |       |                                |                           |
| 8A               | White Ceiling Tile        | 2nd Floor Bath | tan   | Cellulose 90<br>Non-Fibrous 10 | None Detected             |
| 538914           |                           |                |       |                                |                           |
| 8B               | White Ceiling Tile        | 2nd Floor Bath | tan   | Cellulose 90<br>Non-Fibrous 10 | None Detected             |
| 538915           |                           |                |       |                                |                           |
| 8C               | White Ceiling Tile        | 2nd Floor Bath | tan   | Cellulose 90<br>Non-Fibrous 10 | None Detected             |
| 538916           |                           |                |       |                                |                           |
| 9A               | Tan Floor Tile            |                | gray  | Non-Fibrous 100                | None Detected             |
| 538917           |                           |                |       |                                |                           |
| 10A              | Grey Corrugated Roof Tile | Calf Barn      | gray  | Other 10<br>Non-Fibrous 70     | Detected<br>Chrysotile 20 |
| 538918           |                           |                |       |                                |                           |
| 10B              | Grey Corrugated Roof Tile | Calf Barn      | green |                                | Not Analyzed              |
| 538919           |                           |                |       |                                |                           |
| 10C              | Grey Corrugated Roof Tile | Calf Barn      |       |                                | Not Analyzed              |
| 538920           |                           |                |       |                                |                           |
| 11A              | 12x12 White W/Grey Tile   | Large Room     | white | Non-Fibrous 100                | None Detected             |
| 538921           |                           |                |       |                                |                           |
| 11B              | 12x12 White W/Grey Tile   | Large Room     | white | Non-Fibrous 100                | None Detected             |
| 538922           |                           |                |       |                                |                           |
| 11C              | 12x12 White W/Grey Tile   | Large Room     | white | Non-Fibrous 100                | None Detected             |
| 538923           |                           |                |       |                                |                           |
| 12A              | Tan Mastic                | Large Room     | tan   | Cellulose 10<br>Non-Fibrous 90 | None Detected             |
| 538924           |                           |                |       |                                |                           |
| 12B              | Tan Mastic                | Large Room     | tan   | Cellulose 10<br>Non-Fibrous 90 | None Detected             |
| 538925           |                           |                |       |                                |                           |
| 12C              | Tan Mastic                | Large Room     | tan   | Cellulose 10<br>Non-Fibrous 90 | None Detected             |
| 538926           |                           |                |       |                                |                           |

| FieldID<br>LabID | Material              | Location   | Color | Non-Asbestos %  | Asbestos %    |
|------------------|-----------------------|------------|-------|-----------------|---------------|
| 13A              | White Ceiling Plaster | Large Room | white | Non-Fibrous 100 | None Detected |
| 538927           |                       |            |       |                 |               |
| 13B              | White Ceiling Plaster | Large Room | white | Non-Fibrous 100 | None Detected |
| 538928           |                       |            |       |                 |               |
| 13C              | White Ceiling Plaster | Large Room | white | Non-Fibrous 100 | None Detected |
| 538929           |                       |            |       |                 |               |
| 14A              | 9x9 Maroon/Black Tile | 105        | multi | Cellulose 40    | None Detected |
| 538930           |                       |            |       | Non-Fibrous 60  |               |
| 15A              | Vapor Paper           | 105        | multi | Cellulose 70    | None Detected |
| 538931           |                       |            |       | Non-Fibrous 30  |               |
| 16A              | 9x9 Black Floor Tile  | 105        | black | Cellulose 40    | None Detected |
| 538932           |                       |            |       | Non-Fibrous 60  |               |
| 17A              | Vapor Paper           | 105        | multi | Cellulose 70    | None Detected |
| 538933           |                       |            |       | Non-Fibrous 30  |               |
|                  |                       |            |       |                 | Not Analyzed  |
| 538934           |                       |            |       |                 |               |

Monday 02 December

Analyzed by:



End of Report

Batch: 48695

Page 3 of 3

Client: CDW CONSULTANTS Inc

Address: 6 Huron Drive Natick MA

Project Site & #: 225 BEAVER ST | B30.10

Phone / email address: *Aswoc2015@concordia.ca*

508 875 2657. [CONSENSITRANS.COM](http://CONSENSITRANS.COM) MOBILE

Contact: Alvin Sundquist

Relinquish by/date:

Received by/date: 11-25-19

# of Samples Received: 40

# CHAIN OF CISTORY

EPA/600/R-93/116

## Asbestos Identification Lab

**165 New Boston St.**

**Suite 227**

**Woburn, MA 01801**

**(781) 932-9600**



Date Sampled: 11-20 11-21-19

BATCH#

48695

**Rev 06/16**

Page 1 of 9

| Turnaround Time | Sample Method                               |
|-----------------|---|
| 1-2 weeks       | 1. Direct observation                       |
| 2-4 weeks       | 2. Interviews                               |
| 4-6 weeks       | 3. Focus groups                             |
| 6-8 weeks       | 4. Surveys                                  |
| 8-10 weeks      | 5. Case studies                             |
| 10-12 weeks     | 6. Ethnography                              |
| 12-14 weeks     | 7. Content analysis                         |
| 14-16 weeks     | 8. Document analysis                        |
| 16-18 weeks     | 9. Archival research                        |
| 18-20 weeks     | 10. Secondary data analysis                 |
| 20-22 weeks     | 11. Meta-analysis                           |
| 22-24 weeks     | 12. Systematic review                       |
| 24-26 weeks     | 13. Literature review                       |
| 26-28 weeks     | 14. Scoping review                          |
| 28-30 weeks     | 15. Narrative review                        |
| 30-32 weeks     | 16. Integrative review                      |
| 32-34 weeks     | 17. Critical appraisal                      |
| 34-36 weeks     | 18. Evidence synthesis                      |
| 36-38 weeks     | 19. Health technology assessment            |
| 38-40 weeks     | 20. Policy analysis                         |
| 40-42 weeks     | 21. Impact evaluation                       |
| 42-44 weeks     | 22. Process evaluation                      |
| 44-46 weeks     | 23. Outcome evaluation                      |
| 46-48 weeks     | 24. Cost-benefit analysis                   |
| 48-50 weeks     | 25. Cost-effectiveness analysis             |
| 50-52 weeks     | 26. Health economics                        |
| 52-54 weeks     | 27. Health equity                           |
| 54-56 weeks     | 28. Health law                              |
| 56-58 weeks     | 29. Health policy                           |
| 58-60 weeks     | 30. Health systems research                 |
| 60-62 weeks     | 31. Implementation research                 |
| 62-64 weeks     | 32. Patient-centered research               |
| 64-66 weeks     | 33. Quality improvement                     |
| 66-68 weeks     | 34. Real-world research                     |
| 68-70 weeks     | 35. Reproductive health research            |
| 70-72 weeks     | 36. Sexual and reproductive health research |
| 72-74 weeks     | 37. Women's health research                 |
| 74-76 weeks     | 38. Adolescent reproductive health research |
| 76-78 weeks     | 39. Adolescent reproductive health research |
| 78-80 weeks     | 40. Adolescent reproductive health research |
| 80-82 weeks     | 41. Adolescent reproductive health research |
| 82-84 weeks     | 42. Adolescent reproductive health research |
| 84-86 weeks     | 43. Adolescent reproductive health research |
| 86-88 weeks     | 44. Adolescent reproductive health research |
| 88-90 weeks     | 45. Adolescent reproductive health research |
| 90-92 weeks     | 46. Adolescent reproductive health research |
| 92-94 weeks     | 47. Adolescent reproductive health research |
| 94-96 weeks     | 48. Adolescent reproductive health research |
| 96-98 weeks     | 49. Adolescent reproductive health research |
| 98-100 weeks    | 50. Adolescent reproductive health research |

**Less 3 Hrs**

**Same Day**

### Next Day

**Case Detail**

| Day      | Point Count |
|----------|-------------|
| 1st Day  | 0           |
| 2nd Day  | 0           |
| 3rd Day  | 0           |
| 4th Day  | 0           |
| 5th Day  | 0           |
| 6th Day  | 0           |
| 7th Day  | 0           |
| 8th Day  | 0           |
| 9th Day  | 0           |
| 10th Day | 0           |
| 11th Day | 0           |
| 12th Day | 0           |
| 13th Day | 0           |
| 14th Day | 0           |
| 15th Day | 0           |
| 16th Day | 0           |
| 17th Day | 0           |
| 18th Day | 0           |
| 19th Day | 0           |
| 20th Day | 0           |
| 21st Day | 0           |
| 22nd Day | 0           |
| 23rd Day | 0           |
| 24th Day | 0           |
| 25th Day | 0           |
| 26th Day | 0           |
| 27th Day | 0           |
| 28th Day | 0           |
| 29th Day | 0           |
| 30th Day | 0           |
| 31st Day | 0           |

Notify Method: Mail/E-Mail/Verbal

Analyzed By: [Signature]

Date: 12-2-19

[illegible]

| Lab ID#<br>(Lab Use Only) |    | Field ID/<br>(Client Reference)                                   |  | Temp in Celsius = | Stereo Scope |             |         |         |                   | Optical Properties |            |            |            |                    |               |             | RI | Non-Asbestos Percentage (%) |            |              |           |      |           |       |             |    |
|---------------------------|----|---|--|-------------------|--------------|-------------|---------|---------|-------------------|--------------------|------------|------------|------------|--------------------|---------------|-------------|----|-----------------------------|------------|--------------|-----------|------|-----------|-------|-------------|----|
| Material / Location       |    |   |  | % of Asbestos     | Color        | Homogeneity | Texture | Friable | Asbestos Minerals |                    | Asbestos % | Morphology | Extinction | Sign of Elongation | Birefringence | Pleochroism |    | ⊥                           | Fiberglass | Mineral Wool | Cellulose | Hair | Synthetic | Other | Non-Fibrous |    |
| 92                        | 2A | Material<br>9x9 BELLE<br>w/gray FIBERGLASS<br>Location<br>KITCHEN |  | 0 +               | g g          | g           | ✓       |         | Chrysotile        |                    |            |            |            |                    |               |             |    |                             |            |              |           |      |           | 10    | 4%          | 90 |
| 99                        | 2B | Material<br>" "<br>Location                                       |  | 0 +               | g g          | g           | ✓       |         | Chrysotile        |                    |            |            |            |                    |               |             |    |                             |            |              |           |      |           | 10    | 4%          | 90 |
| 93                        | 2C | Material<br>" "<br>Location                                       |  | 0 +               | g g          | g           | ✓       |         | Chrysotile        |                    |            |            |            |                    |               |             |    |                             |            |              |           |      |           | 10    | 4%          | 90 |
| 91                        | 3A | Material<br>BROWN<br>MASTIC<br>Location<br>KITCHEN                |  | 0 Br              | g g          | g           | ✓       |         | Chrysotile        |                    |            |            |            |                    |               |             |    |                             |            |              |           |      |           | 10    | 4%          | 90 |
| 92                        | 3B | Material<br>" "<br>Location                                       |  | 0 Br              | g g          | g           | ✓       |         | Chrysotile        |                    |            |            |            |                    |               |             |    |                             |            |              |           |      |           | 10    | 4%          | 90 |

[illegible]



[illegible]

[illegible]

| Lab ID#<br>Lab Use Only         |  | Temp in Celsius = |       | Stereoscope |         |         |                   |         | Optical Properties |           |               |            |            |         |             |           |               |            | Non-Asbestos Percentage (%) |                    |               |             |    |            |              |           |      |           |       |             |               |            |     |
|---------------------------------|--|-------------------|-------|-------------|---------|---------|-------------------|---------|--------------------|-----------|---------------|------------|------------|---------|-------------|-----------|---------------|------------|-----------------------------|--------------------|---------------|-------------|----|------------|--------------|-----------|------|-----------|-------|-------------|---------------|------------|-----|
| Field ID/<br>(Client Reference) | Material / Location  | % of Asbestos     | Color | Homogeneity | Texture | Friable | Asbestos Minerals |         |                    |           |               |            |            |         |             |           | Asbestos %    | Morphology | Extinction                  | Sign of Elongation | Birefringence | Pleochroism | RI | Fiberglass | Mineral Wool | Cellulose | Hair | Synthetic | Other | Non-Fibrous |               |            |     |
|                                 |  |                   |       |             |         |         | Chrysotile        | Amosite | Crocidolite        | Tremolite | Anthophyllite | Actinolite | Chrysotile | Amosite | Crocidolite | Tremolite |               |            |                             |                    |               |             |    |            |              |           |      |           |       |             | Anthophyllite | Actinolite |     |
| 10A                             | Material: GLEY<br>Location: CONCRETE ROOF<br>CAUF BARN       | 20                | off   | ✓           | off     | ✓       | Chrysotile        | Amosite | Crocidolite        | Tremolite | Anthophyllite | Actinolite | Chrysotile | Amosite | Crocidolite | Tremolite | Anthophyllite | Actinolite | 20                          | ✓                  | off           | ✓           | ✓  |            | ⊥            |           |      |           |       |             | 4%            | 10         | 80  |
| 10B                             | Material: N<br>Location: N                                   |                   |       |             |         |         | Chrysotile        | Amosite | Crocidolite        | Tremolite | Anthophyllite | Actinolite | Chrysotile | Amosite | Crocidolite | Tremolite | Anthophyllite | Actinolite |                             |                    |               |             |    |            |              |           |      |           |       |             |               |            |     |
| 10C                             | Material: N<br>Location: N                                   |                   |       |             |         |         | Chrysotile        | Amosite | Crocidolite        | Tremolite | Anthophyllite | Actinolite | Chrysotile | Amosite | Crocidolite | Tremolite | Anthophyllite | Actinolite |                             |                    |               |             |    |            |              |           |      |           |       |             |               |            |     |
| 11A                             | Material: 12X12 WHITE<br>W/GRAY TILE<br>Location: LARUE ROOM | 0                 | W     | SS          |         | ✓       | Chrysotile        | Amosite | Crocidolite        | Tremolite | Anthophyllite | Actinolite | Chrysotile | Amosite | Crocidolite | Tremolite | Anthophyllite | Actinolite |                             |                    |               |             |    |            |              |           |      |           |       |             |               |            | low |
| 11B                             | Material: N<br>Location: N                                   | 0                 | W     | SS          |         | ✓       | Chrysotile        | Amosite | Crocidolite        | Tremolite | Anthophyllite | Actinolite | Chrysotile | Amosite | Crocidolite | Tremolite | Anthophyllite | Actinolite |                             |                    |               |             |    |            |              |           |      |           |       |             |               |            | low |

DNA

DNA

[illegible]

| Lab ID#<br>Lab Use Only! |     | Field ID/<br>(Client Reference)                            | Temp in Celsius = | Stereo Scope |             |         |         |  | Optical Properties |            |            |                    |               |             |    | Non-Asbestos Percentage (%) |              |           |      |           |       |             |
|--------------------------|-----|--|-------------------|--------------|-------------|---------|---------|--|--------------------|------------|------------|--------------------|---------------|-------------|----|-----------------------------|--------------|-----------|------|-----------|-------|-------------|
| Material / Location      |     |  | % of Asbestos     | Color        | Homogeneity | Texture | Friable | Asbestos Minerals  | Asbestos %         | Morphology | Extinction | Sign of Elongation | Birefringence | Pleochroism | RI | Fiberglass                  | Mineral Wool | Cellulose | Hair | Synthetic | Other | Non-Fibrous |
| 27                       | 13A | Material: WHITE<br>Location: CEILING PLASTER<br>WALLS ROOM |                   | 0            | W           | ✓       | 28      | Chrysotile<br>Amosite<br>Crocidolite<br>Tremolite<br>Anthophyllite<br>Actinolite<br>Chrysotile<br>Amosite<br>Crocidolite<br>Tremolite<br>Anthophyllite<br>Actinolite |                    |            |            |                    |               |             |    |                             |              |           |      |           |       | 100         |
| 28                       | 13B | Material: W<br>Location:                                   |                   | 0            | W           | ✓       | 28      | Chrysotile<br>Amosite<br>Crocidolite<br>Tremolite<br>Anthophyllite<br>Actinolite<br>Chrysotile<br>Amosite<br>Crocidolite<br>Tremolite<br>Anthophyllite<br>Actinolite |                    |            |            |                    |               |             |    |                             |              |           |      |           |       | 100         |
| 29                       | 13C | Material: W<br>Location:                                   |                   | 0            | W           | ✓       | 28      | Chrysotile<br>Amosite<br>Crocidolite<br>Tremolite<br>Anthophyllite<br>Actinolite<br>Chrysotile<br>Amosite<br>Crocidolite<br>Tremolite<br>Anthophyllite<br>Actinolite |                    |            |            |                    |               |             |    |                             |              |           |      |           |       | 100         |
| 30                       | 14A | Material: 9x9<br>Location: MASON/BACK TILE                 |                   | 0            | W           | 68      | ✓       | Chrysotile<br>Amosite<br>Crocidolite<br>Tremolite<br>Anthophyllite<br>Actinolite<br>Chrysotile<br>Amosite<br>Crocidolite<br>Tremolite<br>Anthophyllite<br>Actinolite |                    |            |            |                    |               |             |    |                             | 70           |           |      |           |       | 60          |
| 31                       | 15A | Material: VARIO<br>Location: PAPER                         |                   | 0            | W           | ✓       | 28      | Chrysotile<br>Amosite<br>Crocidolite<br>Tremolite<br>Anthophyllite<br>Actinolite<br>Chrysotile<br>Amosite<br>Crocidolite<br>Tremolite<br>Anthophyllite<br>Actinolite |                    |            |            |                    |               |             |    |                             | 70           |           |      |           |       | 30          |

[illegible]



## Asbestos Identification Laboratory

165 New Boston St., Ste 227  
Woburn, MA 01801  
781-932-9600

Web: [www.asbestosidentificationlab.com](http://www.asbestosidentificationlab.com)  
Email: [mikemanning@asbestosidentificationlab.com](mailto:mikemanning@asbestosidentificationlab.com)

Batch: 49578



Lab Code: 200919-0

January 06, 2020

Alan Sundquist  
CDW Consultants, Inc.  
6 Huron Drive  
Natick, MA 01760

**Project Name:** 1830 Beaver St.,  
**Project Number:**  
**Date Sampled:** 2020-01-06  
**Work Received:** 2020-01-06  
**Work Analyzed:** 2020-01-06

**Analysis Method:** BULK PLM ANALYSIS EPA/600/R-93/116

Dear Alan Sundquist,

Asbestos Identification Laboratory has completed the analysis of the samples from your office for the above referenced project. The information and analysis contained in this report have been generated using the EPA /600/R-93/116 Method for the Determination of Asbestos in Bulk Building Materials. Materials or products that contain more than 1% of any kind or combination of asbestos are considered an asbestos containing building material as determined by the EPA. This Polarized Light Microscope (PLM) technique may be performed either by visual estimation or point counting. Point counting provides a determination of the area percentage of asbestos in a sample. If the asbestos is estimated to be less than 10% by visual estimation of friable material, the determination may be repeated using the point counting technique. The results of the point counting supersede visual PLM results. Results in this report only relate to the items tested. This report may not be used by the customer to claim product endorsement by NVLAP or any other U.S. Government Agency.

Laboratory results represent the analysis of samples as submitted by the customer. Information regarding sample location, description, area, volume, etc., was provided by the customer. Asbestos Identification Laboratory is not responsible for sample collection activities or analytical method limitations. Unless notified in writing to return samples, Asbestos Identification Laboratory discards customer samples after 30 days. Samples containing subsamples or layers will be analyzed separately when applicable. Reports are kept at Asbestos Identification Laboratory for three years. This report shall not be reproduced, except in full, without the written consent of Asbestos Identification Laboratory.

- NVLAP Lab Code: 200919-0
- Massachusetts Certification License: AA000208
- State of Connecticut, Department of Public Health Approved Environmental Laboratory Registration Number: PH-0142
- State of Maine, Department of Environmental Protection Asbestos Analytical Laboratory License Number: LB-0078(Bulk) LA-0087(Air)
- State of Rhode Island and Providence Plantations. Department of Health Certification: AAL-121
- State of Vermont, Department of Health Environmental Health License AL934461

Thank you Alan Sundquist for your business.

Michael Manning  
Owner/Director

January 06, 2020

Alan Sundquist  
CDW Consultants, Inc.  
6 Huron Drive  
Natick, MA 01760

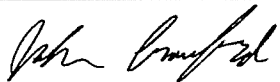
**Project Name:** 1830 Beaver St.,  
**Project Number:**  
**Date Sampled:** 2020-01-06  
**Work Received:** 2020-01-06  
**Work Analyzed:** 2020-01-06

**Analysis Method:** BULK PLM ANALYSIS EPA/600/R-93/116

| FieldID<br>LabID | Material            | Location   | Color | Non-Asbestos %  | Asbestos %    |
|------------------|---------------------|------------|-------|-----------------|---------------|
| 1A               | Gray Fire Motar     | Admin Bld. | gray  | Non-Fibrous 100 | None Detected |
| 549748           |                     |            |       |                 |               |
| 1B               | Gray Fire Motar     | Admin Bld. | gray  | Non-Fibrous 100 | None Detected |
| 549749           |                     |            |       |                 |               |
| 1C               | Gray Fire Motar     | Admin Bld. | gray  | Non-Fibrous 100 | None Detected |
| 549750           |                     |            |       |                 |               |
| 2A               | Green Vapor Barrier | Farmhouse  | green | Cellulose 90    | None Detected |
| 549751           |                     |            |       | Non-Fibrous 10  |               |
| 2B               | Green Vapor Barrier | Farmhouse  | green | Cellulose 90    | None Detected |
| 549752           |                     |            |       | Non-Fibrous 10  |               |
| 2C               | Green Vapor Barrier | Farmhouse  | green | Cellulose 90    | None Detected |
| 549753           |                     |            |       | Non-Fibrous 10  |               |
| 3A               | Black Vapor Barrier | Farmhouse  | black | Cellulose 50    | None Detected |
| 549754           |                     |            |       | Non-Fibrous 50  |               |
| 3B               | Black Vapor Barrier | Farmhouse  | black | Cellulose 50    | None Detected |
| 549755           |                     |            |       | Non-Fibrous 50  |               |
| 3C               | Black Vapor Barrier | Farmhouse  | black | Cellulose 50    | None Detected |
| 549756           |                     |            |       | Non-Fibrous 50  |               |

Monday 06 January

Analyzed by:



End of Report

Batch: 49578

Page 1 of 1



# CHAIN OF CUSTODY

EPA/600/R-93/116

## Asbestos Identification Lab

165 New Boston St.

Suite 227

Woburn, MA 01801

(781) 932-9600

www.asbestosidentificationlab.com



Date Sampled: 11/6/2020

BATCH#

495178

Rev 06/16

Page 1 of 3

Turnaround Time Sample Method

☐ Less 3 Hrs

☒ Same Day

☐ Next Day

☐ Two Day

Stop on 1st Positive? ☒ Yes ☐ No

Notify Method: Mail/E-Mail/Verbal

Analyzed By: [Signature]

Date: 11/6/20

Sample Method

☒ Bulk

☐ Soil

☐ Wipe

☐ Point Count

RI Non-Asbestos Percentage (%)

Lab ID# (Lab Use Only)

Field ID/ (Client Reference)

Material / Location

Temp in Celsius = 15

Stereo Scope

% of Asbestos

Color

Homogeneity

Texture

Friable

Asbestos Minerals

Asbestos %

Morphology

Extinction

Sign of Elongation

Birefringence

Pleochroism

||  
T

Fiberglass

Mineral Wool

Cellulose

Hair

Synthetic

Other

Non-Fibrous

549748

1A

Material ~~1A~~  
Colony F15 WORK  
Location AOMN BLD

% of Asbestos

Color

Homogeneity

Texture

Friable

Chrysotile  
Amosite  
Crocidolite  
Tremolite  
Anthophyllite  
Actinolite

Asbestos %

Morphology

Extinction

Sign of Elongation

Birefringence

Pleochroism

||  
T

Fiberglass

Mineral Wool

Cellulose

Hair

Synthetic

Other

Non-Fibrous

49

1B

Material  
Location

% of Asbestos

Color

Homogeneity

Texture

Friable

Chrysotile  
Amosite  
Crocidolite  
Tremolite  
Anthophyllite  
Actinolite

Asbestos %

Morphology

Extinction

Sign of Elongation

Birefringence

Pleochroism

||  
T

Fiberglass

Mineral Wool

Cellulose

Hair

Synthetic

Other

Non-Fibrous

50

1C

Material  
Location

% of Asbestos

Color

Homogeneity

Texture

Friable

Chrysotile  
Amosite  
Crocidolite  
Tremolite  
Anthophyllite  
Actinolite

Asbestos %

Morphology

Extinction

Sign of Elongation

Birefringence

Pleochroism

||  
T

Fiberglass

Mineral Wool

Cellulose

Hair

Synthetic

Other

Non-Fibrous

[illegible]

| Lab ID#<br>(Lab Use Only) |    | Field ID/<br>(Client Reference) | Material / Location    | Stereo Scope  |          |             |          |         | Asbestos Minerals | Optical Properties |            |            |                    |               |             | RI | Non-Asbestos Percentage (%) |   |            |              |           |      |           |       |
|---------------------------|----|---------------------------------|------------------------|---------------|----------|-------------|----------|---------|-------------------|--------------------|------------|------------|--------------------|---------------|-------------|----|-----------------------------|---|------------|--------------|-----------|------|-----------|-------|
| Temp in Celcius = _____   |    |                                 |                        | % of Asbestos | Color    | Homogeneity | Texture  | Friable |                   | Asbestos %         | Morphology | Extinction | Sign of Elongation | Birefringence | Pleochroism |    |                             | ⊥ | Fiberglass | Mineral Wool | Cellulose | Hair | Synthetic | Other |
| 56                        | 3C |                                 | Material<br>Location 4 |               | off blue | N           | F<br>1/2 | N       | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |
|                           |    |                                 | Material<br>Location   |               |          |             |          |         | Chrysotile        |                    |            |            |                    |               |             |    |                             |   |            |              |           |      |           |       |